REFERENCES

SUCCESS STORY

SFR CAMPUS HEAD OFFICE – PARIS

HYPERVISION AND NEW TECHNOLOGIES

A high-tech building

The new SFR head office, whose first delivery took place at the end of 2013, was designed to foster the concept of "working better together". This state-of-the-art building in terms of architecture, environmental quality and interior design is composed of 4 seven-floor facilities.

This "city in the city" includes more than 7000 m2 of terraces, a conference center, 5 restaurants, sport clubs and 1500m2 of shops.

The SFR campus is an ultra-connected place exploiting the latest digital technologies. The group safety division had to follow the same path.

Hypervision and Integration

Beyond the powerful features provided by TIL TECHNOLOGIES for secure access control, multiple ID management and specific access control (car park, emergency exits…), SFR fully exploits the MICRO-SESAME supervisor capacities.

Both interventions and automatisms become more efficient under a common interface centralizing the TIL and KABA access control features, the OMNICAST video surveillance, the COMMEND intercom system and the GALAXY intrusion detection system.

10 operating stations are available on site : 3 safety stations, 3 reception stations, 4 other stations placed at various locations.

Smartphones and dematerialized IDs

At SFR, the smartphone is a key tool. All collaborators can use Samsung Galaxy NFC mobiles to pay the canteen, manage printouts, make bookings or control office comfort.

The smartphone is also used to provide access to the site and the sensitive areas, by exploiting DESFire emulation capacities of the NFC SIM cards. MICRO-SESAME natively manages secure encoding via encryption keys.

For visitor reception, identification is also dematerialized, but in another way…

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A FEW FIGURES

- 73 000 m²
- 4 000 collaborators
- 500 mechatronic locks
- 500 intrusion points
- 200 badge readers
- 200 cameras

INSTALLED TIL SOLUTIONS

- 2 redundant MICRO-SESAME servers
- Management of multiple identificators
- Centralized access control in both online (real time) and offline (user rights stored in the badge) modes
- Badge and smartphones NFC SIM (DESFire) cards secure encoding
- Visitors hosting
- Parking management
- Emergency exit management

OTHER SYSTEMS SUPERVISION

- OMNICAST video surveillance
- COMMEND intercom system
- GALAXY intrusion detection system
- KABA mechatronic locks
- GORGY panel displays

When a SFR collaborator confirms an appointment via a specific application, a QR code (2D tag) is sent via MMS to the visitor.

On the appointment day, the visitor presents the tag at the reception hall for quick appointment processing and instant validation. If car access was requested, a temporary keyboard code is sent to the visitor to provide access to the parking area. A smooth and complete hosting process is provided.

Online and Offline access control under a common system

Once again, this is a technological first: The SFR campus supervises access for both online real time user right management and offline mechatronic locks.

Stand-alone readers, aimed for low sensibility but still reserved access, require storing access rights on the user badge (or NFC SIM card). Access rights are periodically downloaded to the user card via a TIL terminal connected to the MICRO-SESAME integrated system.

MICRO-SESAME can manage both logics and define users rights in one single user record.

Managing complex projects

To meet SFR technological needs, numerous developments were carried out by the TIL TECHNOLOGIES teams.

The project was developed in synergy with the SFR internal development team, human resources and of course, the safety division. The objective was to define together the project needs and formats, or achieve technical developments such as the gateways for visitor reception and HR databases.

Rigor and quality of engagement were the basis all along this ambitious project, which was a promise of success.

Pascal CHAYOUX - Head of Safety & Crisis Management
General Secretary / Security and Legal Obligation Division

« Equipment participating in the safety of our installations must meet both environmental and technical qualities. They must represent a minimum constraint for our collaborators, but at the same time guarantee our high level of safety, required by our activity and our regulatory obligations.

It is also important for SFR, in partnership with our suppliers, to show our know-how in terms of safety applications exploiting communication tools and SIM cards.

On this basis, we have found in TIL TECHNOLOGIES the attentive listening and the technical answers that fitted our needs, as well as a great potential to work on innovative solutions, access control in particular. »

Christian PELLERIN - Head of Safety & Security
General Affairs and Real estate Division / Direction of Operations

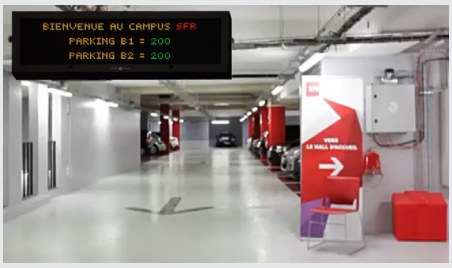
« Safety efficiency is based on the simplicity of the elements which compose it. Following this approach, we choose the smartphone as ID for visitors and users, and the MICRO-SESAME system for exploitation.

And here is our achievement. The involvement of TIL TECHNOLOGIES and our SIM card provider in this project completed the first large-scale deployment of NFC technology for access control in France. »

The entry into the building and sensitives areas are managed in real-time and can be done with DESFire badge or a SIM NFC smartphone.

The access to the top management offices and some restricted areas is done on offline mechatronic locks. They are not connected in real-time to MICRO-SESAME server so the user rights had to be charged in the ID (badge or NFC SIM).

The MICRO-SESAME visitors reception has an appointment reporting interface.
On arrival at the company, the visitor can show the QR code which was sent to him by MMS or uses a temporary keyboard code to reach the parking lot.



For the collaborators, the access parking lot is done by the reading of mineralogical plates, badge or smartphone.
The interfacing with LED GORGY panels allows to display parking availability.